

Title (en)

ELECTRODE DEVICE FOR PLASMA TREATMENT OF THE INNER SURFACES OF A CONTAINER AND TREATMENT METHOD THEREBY

Title (de)

ELEKTRODENEINRICHTUNG ZUR PLASMABEHANDLUNG DER INNEREN OBERFLÄCHEN EINES BEHÄLTERS UND BEHANDLUNGSVERFAHREN DAFÜR

Title (fr)

DISPOSITIF D'ELECTRODE POUR LE TRAITEMENT PAR PLASMA DES FACES INTERIEURES D'UN RECIPIENT ET PROCEDE DE TRAITEMENT PAR CELUI-CI

Publication

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Application

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Priority

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Abstract (en)

[origin: WO2006032773A2] The invention concerns a plug-electrode device for internal plasma treatment of a container (3) using an activating gas or a gas or a treating gas mixture consisting of a rotating mobile block body (5), comprising means for injecting the gases and having a cavity (8) for receiving and maintaining the neck (2) of the container (3), a hollow central electrode (11) electrically connected to a high voltage generator is immersed in the neck (2) and surrounded over its part inside the neck (2) by a coaxial conductive ring (15) spaced apart from the central electrode (11) by electrically insulating spacer means, said conductive ring (15) having at least one through ionizing channel communicating with a mixing and injecting chamber (20) separating it from the adjacent walls of the neck. The invention is of interest to manufacturers of machines for plasma treatment of containers.

IPC 8 full level

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